PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE REPLACEMENT OF RED-LIGHT CAMERA EQUIPMENT FOR THE NORTHBOUND LANE OF THE INTERSECTION OF BUS. US1 (BALTIMORE PIKE) AND MD 924 (KENMORE AVE AND BOND STEET IN THE ROWN OF BEL AIR, MARYLAND. US1 (BALTIMORE PIKE) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

THE EXISTING CABINET AND CONTROLLER SHALL BE USED.

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. ERIN KUHN ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (410) 321-2781/2785

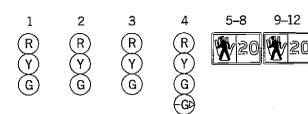
PHONE: (410) 321-2781/2785

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

MR. MIKE PASQUARIELLO
ASST. DISTRICT UTILITY ENGINEER
PHONE: (410) 321-2841

MR. RICHARD L. DAFF, SR.
CHIEF. TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

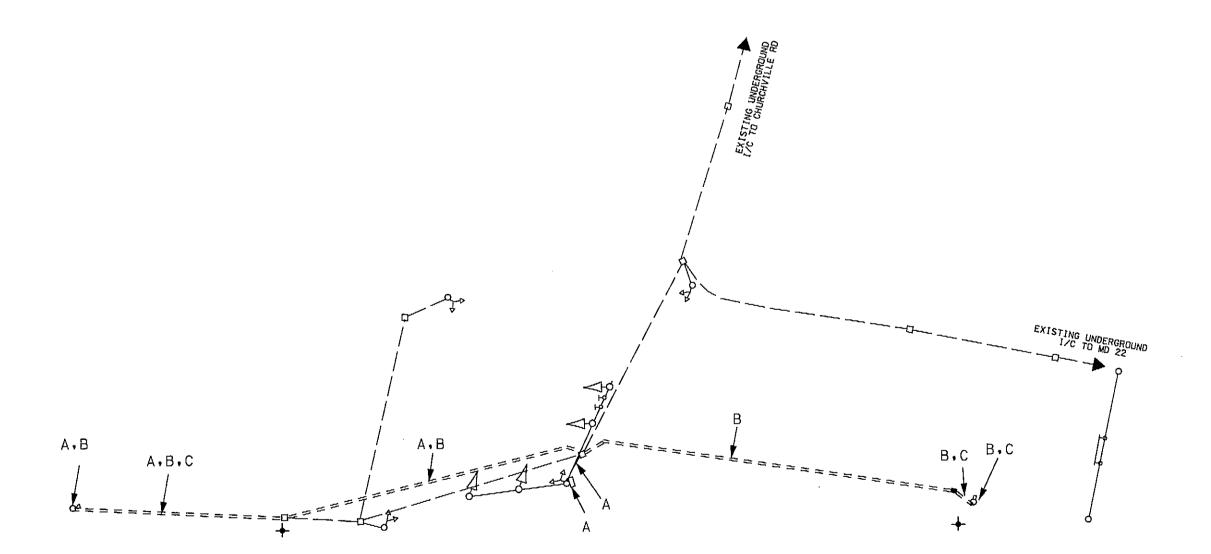
PHASE CHART



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PHASE 2	G	G	R	R	w	DW	
PED CLEARANCE	G	G	R	R	FL⁄DW	DW	
2 CHANGE	Υ	Y	R	R	DW	DW	♦
PHASE 4	R	R	G	G −G→	ĐW	w	
PED CLEARANCE	R	R	G	G −G→	DW	FL/DW]
4 CHANGE	R	R	Υ	Υ	DW	DW	
FLASHING OPERATION	FLY	FL⁄Y	FL∕R	FL/R	DARK	DARK	+ +

*

WIRING DIAGRAM



WIRING KEY

- A } 115 V POWER, SIGNAL PHASE 7 CONDUCTOR (#14)CABLE
- B 115 V POWER, 3 CONDUCTOR (#14 B 24/12PRP PE122TEL) CABLE
- c } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- +} 3/4 IN. X 10 FT. GROUND ROD
- LW } EXISTING LOOP DETECTOR WIRE
- ML } MICRO-LOOP DETECTOR (EXISTING)

EQUIPMENT LIST

- A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.
 NONE.
- B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY UNITS DESCRIPTION

LUMP SUM LS MAINTENANCE OF TRAFFIC

LUMP SUM LS MOBILIZATION

2 EA TEST PIT EXCAVATION

EA LASERCRAFT CAMERA ASSEMBLY

1 EA LASERCRAFT LASER ASSEMBLY

EA 13 FT MILLERBERND POLE, "T" BASE

90 LF 2 IN. PVC CONDUIT [SCHEDULE 80] - TRENCHED

15 LF 3 IN. PVC CONDUIT [SCHEDULE 80] — TRENCHED

150 LF 3 IN. PVC CONDUIT [SCHEDULE 80] — BORED

120 LF 3 IN. PVC CONDUIT [SCHEDULE 80] — SLOTTED IN ROADWAY
235 LF 115 V POWER, SIGNAL PHASE—7 CONDUCTOR (#14) CABLE

350 LF 115 V POWER, 3 CONDUCTOR (#14-24/12PRP PE122TEL) CABLE

90 LF BARE COPPER GROUND WIRE (NO. 6 AWG)

2 EA GROUND ROD - 3/4 IN. X 10 FT. LENGTH

1 EA HANDHOLE

2 CY CONCRETE FOUNDATION FOR CAMERA /LASER EQUIPMENT

EA REMOVE AND DISPOSE OF EXISTING CONCRETE FOUNDATION 12 INCHES BELOW GRADE

LUMP SUM LS REMOVE EXISTING RED-LIGHT EQUIPMENT

BW313M83 US 1@KENMORE AVE INSTALLATION OF RED LIGHT CAMERA



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
BUS. US1 (BALTIMORE PIKE)

AND MD 924 (KENMORE AVE AND BOND ST)



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"Merging Innovation and Excellence"®

GENERAL INFORMATION SHEET

SCALE NONE DATE 1/15/2010 CONTRACT NO. BW996M82

DESIGNED BY F. Hoeckel COUNTY HARFORD

DRAWN BY F. Hoeckel LOGMILE 12800102.58

 CHECKED BY
 TIMS NO.
 J-174

 FAP NO.
 N/A
 TOD NO.

 TS NO. 1472N-GI
 DRAWING TSP - 2
 OF 2

 SHEET NO. 2
 OF 2

PLOTTED: Friday, January 15, 2010 AT 09:31 AM FILE: F:\2009\2009-0227\DES\TS-US1_MD924.DGN